

Prehospital Pediatric Emergency Care Coordinator

Federal Interagency Committee on EMS June 26, 2019

Acknowledgement

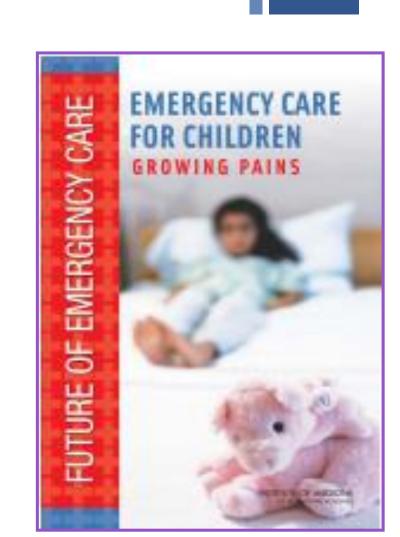
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The State of Prehospital Emergency Care for Children

- Children account for 13% of EMS patients
 - Most EMS agencies (>80%) see < 8 children/month</p>
- Known gaps in day-to-day readiness
 - Unique pediatric characteristics and needs
- Lags in translation of pediatric evidence base

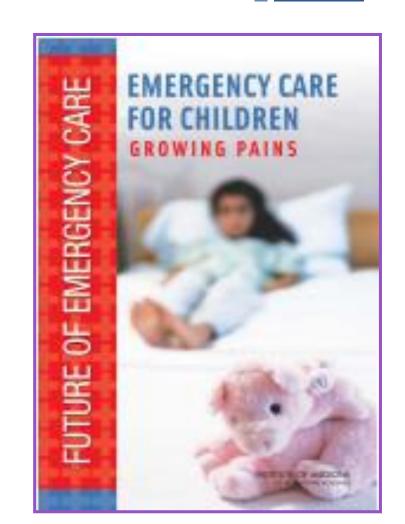




Institute of Medicine: Call to Action

- ■EMS agencies should appoint a pediatric emergency care coordinator (PECC)
 - Ensure adequate skill and knowledge of EMS providers
 - Oversee pediatric clinical QI initiatives
 - Ensure availability of pediatric medications/equipment/supplies

■ More training and guidelines is <u>not</u> sufficient

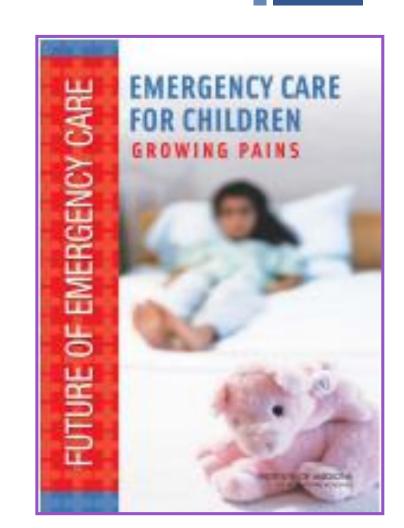




Institute of Medicine: Call to Action

- Adoption of clinical protocols
- Represent the pediatric perspective re: development of protocols and procedures
- Participate in prevention and research programs

 Credentialing and certification organizations should define pediatric emergency care competencies



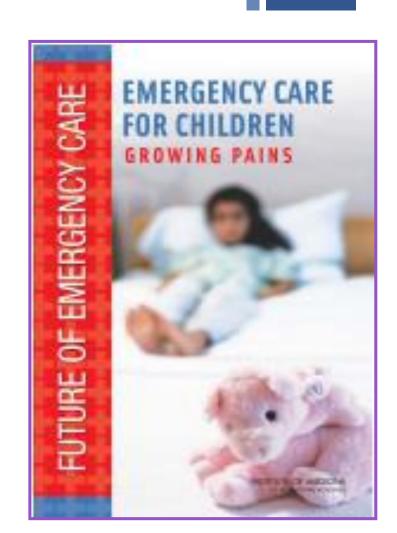


Institute of Medicine: Call to Action

Paramedics could serve in this role

• Must have interest, knowledge and skills in pediatric emergency care

Coordinators are most important for EMS agencies that lack strong pediatric expertise





Coordination of Pediatric Emergency Care in EMS Systems

- ■PECC associated with:
 - improved documentation
 - Improved clinical management
 - Increased staff awareness of highpriority pediatric areas



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American

Background, Cling numerous pediatric specific deficiencies within Emergency Medical Services (EMS) systems, the Institute of Medicine (CM) recommended that EMS systems appoint a pediatric sensepency care coordinator (FECC) to provide oversight of EMS activities related to care of children, to promote the integration of pediatric elements into day-to-day services as well as local and/or regional disaster planning, and to prevents prediatric education

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K. Renick, T. Crize, K. Adrigala, M. I. Shah, J. C. Leonard, and M. Gausche-Hill concrited the sauly K. Renick, T. Cress, and M. Gausche-Hill conducate the systematic review of the lineasum K. Renick oversaw sushicial analysis. K. Renick dealed the manuscrips and all subors constitued substantially to its revision. K. Renick takes responsibility for the paper as a which.

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Address correspondence so Eusterine Rentick, MD, Oilleof the Medical Discoot, Aussin-Torris County IMS System, 137 S. Pissanni Willey Rd, Aussin, TX 707-01, ISA II could Kase Directivities and processing or Color versions of one or thorn of the ligams in the article can be

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across all levels of EMS providers. Methods. A systematic review of the literature was undertaken to describe the evidence for pediatric coordination across the emergency care continuum. The search strategy was developed by the investigators in consultation with a medical librarian and conducted in OVID, Medline, PubMed, Rentwe, Web of Science, and CINAGL databases from lanuary 1, 1965 to lanuary 1, 2014. All research articles that measured a patient related or system-related outcome associated with pediatric coordination in the setting of emergency care, trauma, or disaster were included. Opinion articles, commentaries, and letters to the adition were excluded. These investigators independently screened citations in a hierarchical manner and abstracted data. Results. Of 149 identified titles, nine were included in the systematic review. The nine articles included one interventional study, five surveys, and thme consensus documents. All articles favored the presence of pediatric coordination. The interventional study demonstrated improved documentation, clinical management, and staff awareness of high priority pediatric areas. Conclusion-The current literature supports the identification of pediatric coordination to facilitate the optimal care of children within EMS systems. In order for EMS systems to provide high quality cars to children, pediatric components must be integrated into all aspects of care including day-to-day operations, policies, protocols, available equipment and medications, quality improvement efforts, and disaster planning. This systematic review and resource document serves as the basis for the National Association of EMS Physicians position statement entitled Theoleian Oversight of Pediatric Care in Research Medical Systems." Keywords, emergency medical services (EMS) systems; pediatrics; EMS for Children; administration; quality

PREHOSPITAL EMERGENCY CARE 2016; Early Online 1-9

INTRODUCTION

Providing high-quality emergency medical services (EMS) to children requires an infrastructure designed to support the care of pediatric patients. Unfortunately, the 2006 Institute of Medicine (IOM) report on the Future of Emergency Care in the United States Health System described multiple challenges facing EMS systems when it comes to meeting the needs of children. Gaps exist in both the clinical and administrative amonas. EMS providers face challenges related to infrequent encuraters with children, particularly the critically III, and maintenance of pediatric skills. Furthermore, there is a paucity of meeter on best





The percentage of EMS agencies in the state or territory that have a designated individual who coordinates pediatric emergency care.

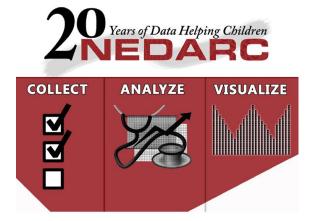
Goal for this measure is that by 2026:

Ninety percent of EMS agencies in the state or territory have a designated individual who coordinates pediatric emergency care.



EMS for Children Data Collection 2017-2018

- ■11,027 EMS agencies contacted
- ■8,730 EMS agencies responded (79.2%)
- ■80% of EMS agencies see fewer than 8 pediatric patients per month



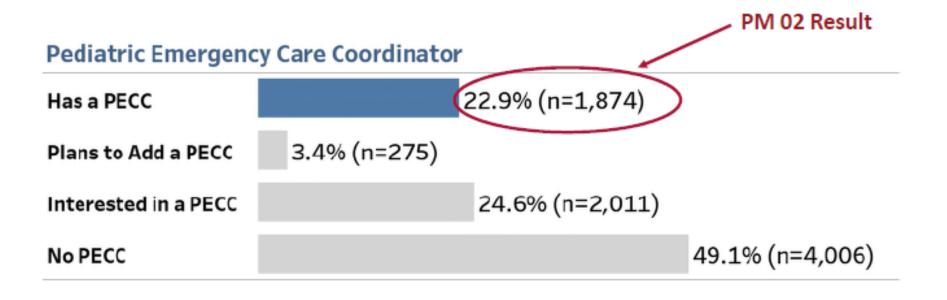
Annual 911 Pediatric Call Volume*

None - Zero pediatric calls in the last year	2.8% n=226 agencies
Low - Twelve (12) or fewer pediatric calls in the last year (1 or fewer pediatric calls per month)	39.4% n=3,219 agencies
Medium - Between 13-100 pediatric calls in the last year (1 - 8 pediatric calls per month)	39.0% n=3,186 agencies
Medium High - Between 101-600 pediatric calls in the last year (8 - 50 pediatric calls per month)	13.9% n=1,138 agencies
High - More than 600 pediatric calls in the last year (more than 50 pediatric calls per month)	4.4% n=357 agencies
Pediatric Call Volume Not Reported	0.5% n=40 agencies

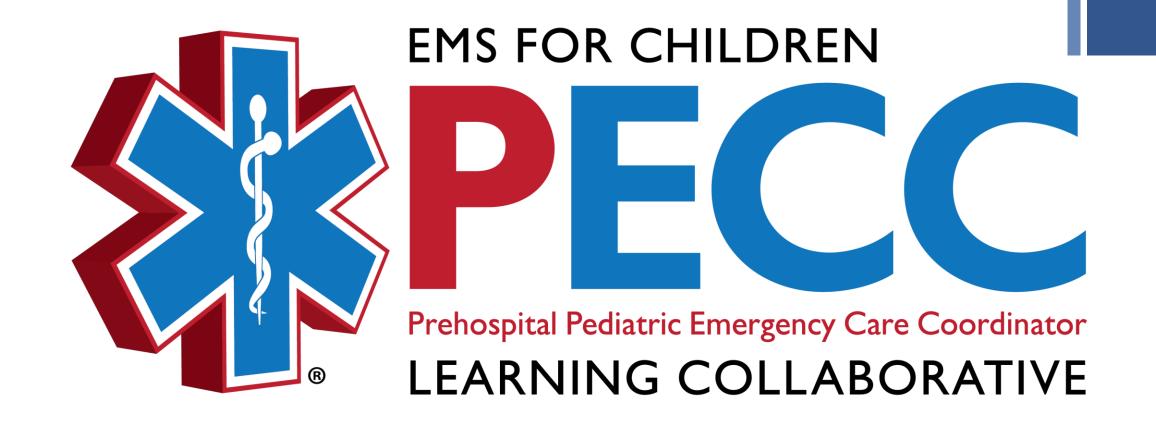


EMS for Children Performance Measure 02

■ The percent of EMS agencies in the state/territory that have a designated individual who coordinates pediatric emergency care



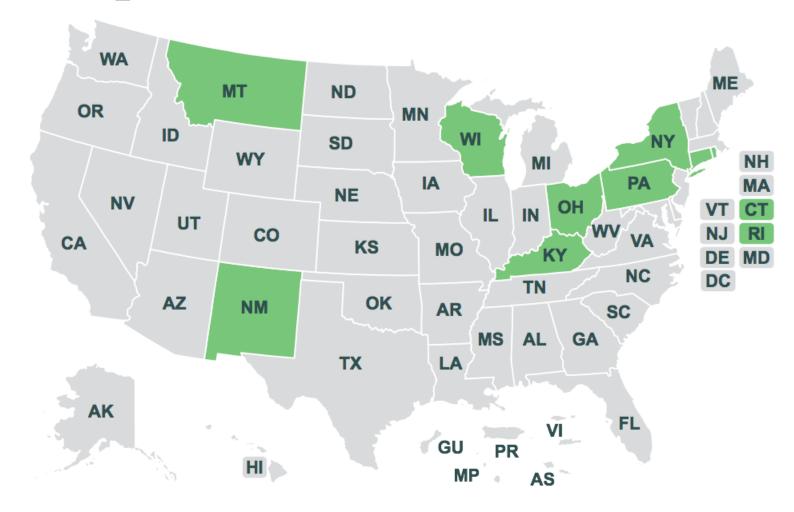






State Partnership Teams

- Connecticut
- Kentucky
- Montana
- New Mexico
- New York
- Ohio
- Pennsylvania
- Rhode Island
- Wisconsin





Participating states represent 10% of EMS agencies in the US.

Objective

To form a cohort of EMSC State Partnership Grant recipients to participate in a learning collaborative that will demonstrate effective, replicable strategies to increase the number of local EMS agencies with a PECC.

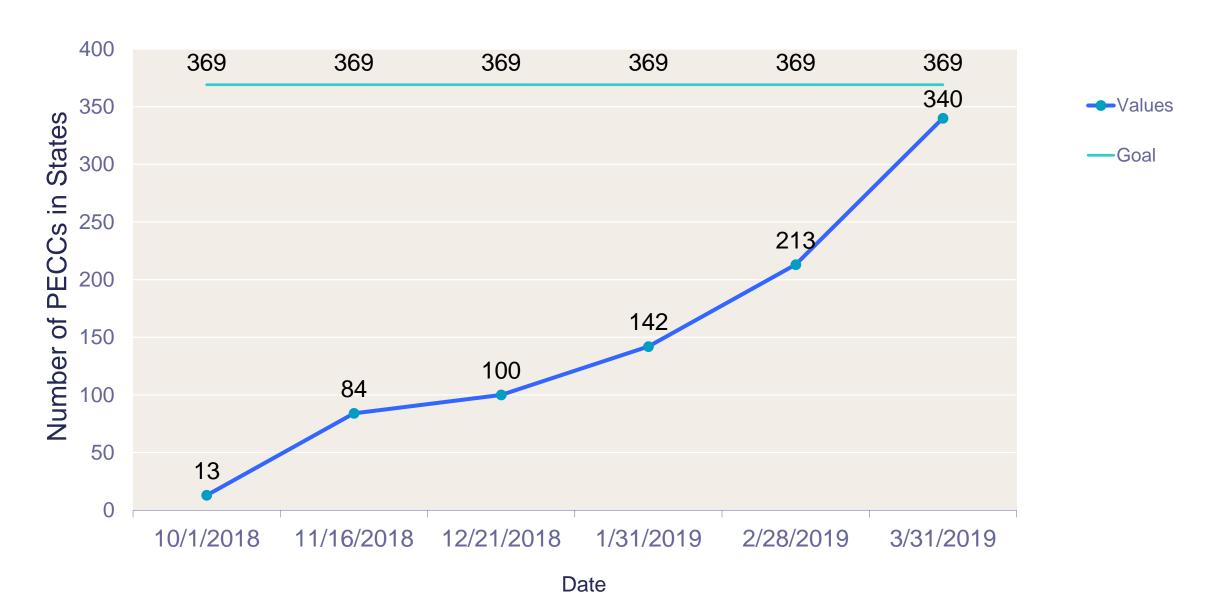


Focused Aim

By March 31, 2019, 9 participating states will have established a PECC in > 50% of local EMS agencies that indicated an interest in adding this role on the 2017 – 2018 National EMSC Survey.



New PECCs Established



Questions





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